

Table 4. Interpretation text change for IMS-0120

RBR id	key	Category	seg	type	s v m	s v s	a v.m	a v s	text	interpretation	clarify
IMS-0120# B	8545	mission essential	SDPS	functional	inspection	un-verified	inspection	un-verified	<p>The IMS shall provide, dependent upon the user's display device capabilities, a user-friendly interface with the following features at a minimum:</p> <ul style="list-style-type: none"> a. Multiple window display b. Buttons and pull down menus c. Valid lists for all variables d. An information base of associations between variables (e.g., between instruments and geophysical parameters) e. Ability to restore a session after interruption f. Context-sensitive help g. Minimal and consistent use of non-standard keys h. Random movement through fields i. Capability to save and restore the contents of a menu or form j. Standardized use of commands and terminology across screens k. Self-explanatory, meaningful error messages l. Automatic acronym expansion, which can be enabled and disabled interactively m. Availability of a menu tree diagram n. Command language 	<p>B: VALID LISTS FOR VARIABLES FOR ASTER PRODUCTS BECOME AVAILABLE FOR ITEM C., VALID LISTS FOR DISPLAY OF VARIABLES FOR ASTER PRODUCTS WILL BE PROVIDED WHEN AVAILABLE</p>	

Table 5. Reference table for analysis of L4s to IMS-0120#B

L4 id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
S-CLS-00010	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with a multiple window display.	Covers item a.
S-CLS-00020	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with buttons and pull down menus.	Covers item b.
S-CLS-00030	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with consistent use of non-standard keys.	Covers item g.
S-CLS-00040	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with minimal use of non-standard keys.	Covers item g.
S-CLS-00050	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with standardized use of commands and terminology across screens.	Covers item j.
<u>S-CLS-00060</u>	<u>B0</u>	<u>functional</u>	<u>incremental</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI shall provide users with automatic acronym expansion, which can be enabled and disabled interactively.</u>	New L4 to cover item l.
S-CLS-00080	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with self-explanatory error messages, <u>for science users</u> , either through Message/Error Dialogs or through <u>the</u> message area .	Covers item k. Modification was done by CCR#97-0407
S-CLS-00090	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with random movement of a cursor through the screen.	Covers item h.
S-CLS-00100	A	functional	incremental	demo			The DESKT CI shall provide a GUI interface with context-sensitive help.	Covers item f
S-CLS-00110	A	functional	incremental	demo	unverified		The DESKT CI shall provide an mechanism to have help information made available to users and include a general introductory description of EOSDIS and its services.	Covers item f
S-CLS-00120	A	functional	incremental	demo			The DESKT CI shall provide for a common default color scheme for the user interface which may be customized by the user.	User friendly
S-CLS-00130	A	functional	incremental	demo			The DESKT CI shall provide for a standard ordering of menu items for the user interface.	User friendly
S-CLS-00140	A	functional	approved	test	unverified		The DESKT CI shall provide a standard widget set for building a user interface, e.g. TimeEntry Widget, TimeInterval Widget, TextField, Integer TextField, Real TextField,	User friendly

id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
							Listbox, Double Selection List Box, and Utilities like SetFont.	
S-CLS-00150	A	functional	incremental	test			The DESKT CI shall provide container desktop objects.	User friendly
S-CLS-00160	A	functional	incremental	test			The DESKT CI shall provide document desktop objects.	User friendly
S-CLS-00170	A	functional	incremental	test			The DESKT CI shall provide application desktop objects.	User friendly
S-CLS-00180	A	functional	incremental	test			The DESKT CI shall provide users the capability to execute software associated with a desktop object.	User friendly
S-CLS-00190	A	functional	incremental	test			The DESKT CI shall provide users the capability to create desktop objects.	User friendly
S-CLS-00200	A	functional	incremental	test			The DESKT CI shall provide users the capability to destroy desktop objects.	User friendly
S-CLS-00210	A	functional	incremental	test			The DESKT CI shall provide users the capability to open desktop objects.	User friendly
S-CLS-00220	B0	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to copy the reference to objects for a desktop object.	
S-CLS-00230	A	functional	incremental	test			The DESKT CI shall provide users the capability to copy a desktop object.	User friendly
S-CLS-00240	B0	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to deep copy a desktop object.	
S-CLS-00250	A	functional	incremental	test			The DESKT CI shall provide users the capability to move desktop objects.	User friendly
S-CLS-00260	B0	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to obtain desktop object data associated with desktop objects.	
S-CLS-00270	B0	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to update desktop object data associated with desktop objects.	
S-CLS-00280	B0	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to list the available services associated with any desktop object.	
S-CLS-00290	A	functional	incremental	test			The DESKT CI shall provide users the capability to bind a service to a desktop object.	User friendly
S-CLS-00295	B0	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to unbind a service from a desktop	

id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
							object.	
S-CLS-00300	A	functional	incremental	test			The DESKT CI shall provide users the capability to invoke any service bound to a desktop object.	User friendly
S-CLS-00310	B	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to generate an exchangeable (i.e., file-based) form for desktop objects.	
S-CLS-00320	B	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to generate a desktop object from an externalized (i.e., file-based) format.	
S-CLS-00330	A	functional	incremental	test			The DESKT CI shall provide users the capability to add desktop objects to container objects.	User friendly
S-CLS-00340	A	functional	incremental	test			The DESKT CI shall provide users the capability to remove desktop objects from container objects.	User friendly
S-CLS-00345	A	functional	incremental	test			The DESKT CI shall provide users the capability to undo the last removal of desktop objects from container objects.	User friendly
S-CLS-00350	B0	functional	incremental	test	unverified		The DESKT CI shall provide users the capability to iteratively apply operations to each of the objects in a desktop container.	
S-CLS-00380	A	functional	incremental	test			The DESKT CI shall provide users the capability to display the objects contained in container objects.	User friendly
S-CLS-00390	A	functional	incremental	test			The DESKT CI shall provide the capability to iconically represent desktop objects, allow single or multiple icons to be selected, and highlight icons when selected.	User friendly
S-CLS-00400	A	functional	incremental	test			The DESKT CI shall provide the capability to textually represent desktop objects.	User friendly
S-CLS-00410	B0	functional	incremental	test	unverified		The DESKT CI shall provide the users the capability to list object types supported by a specific application or service class.	
S-CLS-00420	B0	functional	incremental	test	unverified		The DESKT CI shall provide the users the capability to list applications or service classes supported by a specific object type.	
S-CLS-00430	B	functional	incremental	test	unverified		The DESKT CI shall provide the users the capability to add applications or services	

L4 id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
							supported by a specific object type.	
S-CLS-00440	B0	functional	incremental	test	unverified		The DESKTI CI shall provide the users the capability to remove applications or services supported by a specific object type.	
S-CLS-00450	B	functional	incremental	test	unverified		The DESKTI CI shall provide users the capability to install an application interface (i.e., an application and its parameterized interface description).	
S-CLS-00460	B	functional	incremental	test	unverified		The DESKTI CI shall provide users the capability to remove an application interface.	
S-CLS-00470	B	functional	incremental	test	unverified		The DESKTI CI shall provide users the capability to obtain the attributes associated with an application interface.	
S-CLS-00490	B	functional	incremental	test	unverified		The DESKTI CI shall provide users the capability to modify the attributes associated with an application interface.	
S-CLS-00640	B	functional	incremental	test	unverified		The DESKTI CI shall provide users the capability to obtain a description of the interaction between the Workbench and specified tools.	This L4 was deleted by CCR# 97-0407.
S-CLS-01280	A	functional	incremental	demo			The WKBCI CI shall provide a GUI interface to data dictionary associations between attributes (e.g., between instruments and geophysical parameters).	Covers item d
S-CLS-01450	B	functional	incremental	test	unverified		Desktop objects shall utilize a <TBD> external format.	
S-CLS-01460	B	functional	incremental	test	unverified		Desktop object references shall be in <TBD> format.	
S-CLS-01480	A	functional	incremental	test			The DESKTI CI shall utilize an X-windows windowing interface for the GUI.	User friendly
S-CLS-01500	A	standards	incremental	test			The DESKTI CI user interface shall conform to the guidelines of the ECS User Interface Style Guide and ECS Motif Developers Guide.	Purposed deletion by another CCR.
S-CLS-01510	A	standards	incremental	demo			The WKBCI CI interface to access communications networks shall conform to the ECS style guidelines.	. Purposed deletion by another CCR.
S-CLS-01550	B0	functional	incremental	test	unverified		The DESKTI CI shall provide the user the capability to copy ECS services onto his desktop, iconize them, and save them as	

id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
							desktop objects.	
S-CLS-01555	B0	functional	incremental	test	unverified		The DESKTI CI shall have capability to prompt user for confirmation when a user attempts addition, modification or deletion of an object.	
S-CLS-01560	B0	functional	incremental	test	unverified		The DESKTI CI shall provide the user the capability to access a service via the previously saved desktop object representing that service.	
S-CLS-01600	A	functional	incremental	demo			The DESKTI CI shall provide users the capability to resize windows.	User friendly.
S-CLS-01605	A	functional	incremental	demo			The DESKTI CI shall provide users the capability to select different default screen font sizes.	User friendly.
S-CLS-01610	A	functional	incremental	demo			The DESKTI CI shall provide users with the ability to <u>option of selecting</u> select among four icon sizes like(i.e. tiny, small, medium and large).	User friendly.
S-CLS-01615	A	functional	approved	test	unverified		The DESKTI CI shall provide users the capability to set preferences (e.g. desired view, mode of opening container object, sort based on alphabetical, modification, size, type of object either in ascending or descending order, and confirmation for delete.)	User friendly.
S-CLS-01625	A	functional	incremental	test			The DESKTI CI shall provide the capability to drag and drop desktop objects to perform functions like move, copy and to invoke related applications.	User friendly.
S-CLS-01627	A	functional	incremental	test			The DESKTI CI shall provide a mechanism to save the screen location of all programs it is managing.	Covers item i.
S-CLS-10642	A	functional	incremental	test <u>demo</u>			The DESKTI CI shall provide an easy way for an unregistered user to find out how to register through Help.	User friendly.
S-CLS-10780	A	functional	incremental	demo			The WKBCH CI shall list Dependent Valid Values to assist users in formulating Search Requests.	New link to this RBR. Covers item c.
S-CLS-12070	B0	functional	incremental	test	unverified		The WKBCH CI shall provide a GUI interface with capability to save and restore the contents of data search and order forms.	Covers item I
S-CLS-12110	B1	functional	incremental	test	unverified		The WKBCH CI shall provide a GUI interface with a command language.	Cover item n

L4 id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
<u>S-CLS-12500</u>	B1	functional	incremental	test	unverified		The WKBCH CI shall provide users an interface to APIs for use in non-interactive remote user sessions.	New link to this RBR. User friendly.
<u>S-CLS-12520</u>	A	functional	incremental	demo			The WKBCH CI shall provide the capability for a user to modify their User Profile information.	
<u>S-CLS-12710</u>	B1	<u>functional</u>	<u>incremental</u>	<u>demo</u>	<u>unverified</u>		The WKBCH CI shall save user states for restoring interrupted sessions.	New L4 for item e.
<u>S-CLS-12720</u>	B0	functional	incremental	test	unverified		The WKBCH CI shall provide users the capability to rebuild a user session context.	Covers item e
<u>S-CLS-12810</u>	B B1	functional	incremental	test	unverified		The WKBCH CI shall provide a dumb terminal Web interface with minimal and consistent use of non-standard keys.	Modification is done by CCR# 97-0407. Covers item g
<u>S-CLS-12820</u>	B B1	functional	incremental	test	unverified		The WKBCH CI shall provide a dumb terminal Web interface with capability to save and restore the contents of a menu or form.	Modification is done by CCR# 97-0407. Covers item i.
<u>S-CLS-12830</u>	B B1	functional	incremental	test	unverified		The WKBCH CI shall provide a dumb terminal Web interface with standardized use of commands and terminology across screens.	Modification is done by CCR# 97-0407. Covers item j.
<u>S-CLS-12840</u>	B B1	functional	incremental	test	unverified		The WKBCH CI shall provide a dumb terminal Web interface with self-explanatory, meaningful error messages.	Modification is done by CCR# 97-0407. Covers item k.
<u>S-CLS-12850</u>	B B1	functional	incremental	test	unverified		The WKBCH CI shall provide a dumb terminal Web interface with availability of a menu tree diagram.	Modification is done by CCR# 97-0407. Covers item m.
<u>S-CLS-12860</u>	B B1	functional	incremental	test	unverified		The WKBCH CI shall provide a dumb terminal Web interface with a command language.	Modification is done by CCR# 97-0407. Covers item n.
<u>S-CLS-12870</u>	B1	functional	incremental	test	unverified		The WKBCH CI shall support a web interface that provides users system access from local and remote terminals.	User friendly.
<u>S-CLS-12900</u>	A	functional	incremental	demo			The WKBCH CI shall provide users a capability to store documents at his local workstation.	New link for this RBR. User friendly

id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
<u>S-CLS-12903</u>	A	functional	incremental	test			The WKBCH CI shall provide users a capability to save documents at his local workstation.	New link for this RBR. User friendly
<u>S-CLS-12906</u>	A	functional interface	incremental	test			The WKBCH CI shall provide users a capability to print documents at his local workstation.	New link for this RBR. Covers user friendly.
S-CLS-13240	B1	functional	incremental	test	unverified		The WKBCH CI shall provide users the capability to individually suspend and restore the Service Requests within a user session after interruption.	Cover item e.
S-CLS-13270	A	functional	incremental	demo			The WKBCH CI shall provide a GUI interface with Valid Value lists for all variables.	Covers item c.
S-CLS-13680	B0 B1	functional	incremental	test	unverified		The WKBCH CI shall allow users to access the Data Dictionary Service.	Rebinning was done by CCR# 97-0407. Covers item l.
S-CLS-13830	B0	functional	incremental	test	unverified		The WKBCH CI shall make ASTER data acquisition schedules and plans accessible to authorized users on request.	
S-CLS-14000	B0	functional	incremental	test	unverified		The WKBCH CI shall provide a user interface that indicates changes in status of an iconified window (e.g., additional results inserted into window).	User friendly.
S-CLS-14010	B0	functional	incremental	test	unverified		The WKBCH CI shall prompt the user to save his/her edits when the user quits the editing of workbench objects (e.g., a Result Set or a Guide document), if there are any unsaved edits.	Covers item i.(partially)
S-CLS-14020	A	functional	incremental	demo			The WKBCH CI shall list Dependent Valid Values associated with search screens to show current Valid Values, as the parameterization of the search is changed.	Covers item c.
S-CLS-14440	B0	functional	incremental	test	unverified		The WKBCH CI shall provide users the capability to retrieve any previously saved DAR parameters into a new DAR, edit the parameters, save the modified parameters, and/or submit the new DAR.	Covers item i.
S-CLS-	B0	functional	incremental	test	unverified		For WKBCH CI screens requiring user input,	User friendly.

id	rel	req_type	req_status	ver_method	ver_status	clarification	text	comments
14520		al	ental				optional fields shall be distinguished from mandatory fields.	
S-CLS-14560	A	functional	incremental	demo			The WKBCH CI shall provide access to the lists of the Valid Values for data elements, where the data element has an enumerated set of values as a constraint.	Covers item c.
S-CLS-15690	A	standards	incremental	demo			The DESKT CI shall utilize the Motif widget set for providing GUI interfaces.	User friendly.
S-CLS-15810	B	functional	incremental	test	unverified		The DESKT CI shall provide a menu tree diagram	
S-CLS-15910	B0	functional	incremental	test	unverified		The DESKT CI shall have the capability to prompt the user for confirmation when a user attempts addition, modification or deletion of an object.	
S-DMS-01000	B0	functional	incremental	test	unverified		The LIMGR CI shall provide the capability to restore a session after interruption.	Covers item e.
S-DMS-11000	B0	functional	incremental	test	unverified		The DIMGR CI shall provide the capability to restore a session after interruption.	Covers item e.
S-DMS-20910	B0	functional	incremental	test	unverified		The DDICT CI shall provide access to the lists of the Valid Values for data elements, where the data element has an enumerated set of values as a constraint	Covers item c.
S-DMS-20930	B0	interface	incremental	test	unverified		The DDICT CI shall have the capability to export Dependent Valid Values to the ESDIS <u>IMS-V0 and ASTER systems.</u>	New link for this RBR. Modification is done by another DMS CCR. Covers item c.
S-DMS-31000	B0	functional	incremental	test	unverified		The GTWAY CI shall provide the capability to restore a session after interruption.	Covers item e.